CLAIMS

1.   An electronic service manual display program, which

permits a computer to provide a function for displaying,

5   on a display device, information that is related to

parts and that is used for a predetermined product

constituted by an electric circuit or an electronic

circuit employing said parts as components, and at the

least either a board diagram that represents not only a

10   board used for said predetermined product but also said

parts mounted on said board, or a circuit diagram that

represents a circuit provided on said board, and which

permits said computer to perform the steps of:

      displaying, in a designated index page display area,

15   an index page showing a list of names for, at the least,

either said board or said circuit;

      displaying, in a designated parts table page

display area, a parts table page showing a list of said

parts;

20   establishing in advance, for each of said names

published on said index page, index page information,

which is drawing identification information for a

drawing, at the least either a board diagram for said

board or a circuit diagram for said circuit, that

25   corresponds to said name, and when one of said names

displayed on said index page display area is selected,

obtaining from said index page information said drawing

identification information that is designated in

correlation with said selected name;

5   searching for said drawing designated by said thus

obtained drawing identification information, and

displaying said drawing in a designated drawing display

area;

establishing in advance, for each of said parts

10   published on said parts table page, parts table page

information that includes part identification

information correlated with said part and drawing

identification information, which is correlated with

said drawing, that shows said part as a graphics

15   primitive, and when one of said parts displayed in said

parts table page display area is selected, obtaining

from said parts table page information said part

identification information designated for said selected

part and said drawing identification information, then,

20   reading a drawing that corresponds to said drawing

identification information thus obtained, and enhancing

said selected part displayed in said parts table page

display area;

establishing in advance, for each graphics

25   primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information correlated with each of said

parts, and based on said part identification information

included in said graphics primitive information for said

5   drawing that has been read, searching for a graphics

primitive for which is designated the same part

identification information as said part identification

information that has been designated for said part

selected on said parts table page; and

10   displaying said drawing that has been read in said

drawing display area, and employing the search results

for said graphics primitive to enhance and display said

graphics primitive included in said drawing that has

been read and that corresponds to said part selected on

15   said parts table page.

2.   An electronic service manual display program, which

permits a computer to provide a function for displaying,

on a display device, information that is related to

20   parts and that is used for a predetermined product

constituted by an electric circuit or an electronic

circuit employing said parts as components, and at the

least either a board diagram that represents not only a

board used for said predetermined product but also said

25   parts mounted on said board, or a circuit diagram that

represents a circuit provided on said board, and which permits said computer to perform the steps of:

displaying, in a designated index page display area, an index page showing a list of names for, at the least,

5   either said board or said circuit;

displaying, in a designated parts table page display area, a parts table page showing a list of said parts;

establishing in advance, for each of said names

10   published on said index page, index page information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names

15   displayed on said index page display area is selected, obtaining from said index page information said drawing identification information that is designated in correlation with said selected name;

searching for said drawing designated by said thus

20   obtained drawing identification information, and displaying said drawing in a designated drawing display area;

establishing in advance, for each graphics primitive that is a constituent of said drawing,

25   graphics primitive information, which is part

identification information correlated with each of said

parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is

selected, obtaining drawing identification information

5   that is designated for said drawing wherein said

graphics primitive is designated, obtaining from said

graphics primitive information said part identification

information that is designated for said graphics

primitive, and enhancing and displaying said graphics

10   primitive that has been selected; and

establishing in advance, for each of said parts

published on said parts table page, parts table page

information that includes part identification

information correlated with said part and drawing

15   identification information correlated with said drawing

that shows said part is a graphics primitive, searching

said parts table page information to find part

identification information that is designated for said

graphics primitive selected in said drawing, and

20   employing the search results to enhance and display, in

said parts table page display area, a part that

corresponds to said selected graphics primitive.

3.   An electronic service manual display program, which

25   permits a computer to provide a function for displaying,

on a display device, information that is related to

parts and that is used for a predetermined product

constituted by an electric circuit or an electronic

circuit employing said parts as components, and at the

5   least either a board diagram that represents not only a

board used for said predetermined product but also said

parts mounted on said board, or a circuit diagram that

represents a circuit provided on said board, and which

permits said computer to perform the steps of:

10   displaying an index page display area for

displaying an index page on which a list of names for,

at the least, either said board or said circuit is

published;

           displaying a parts table page display area for

15   displaying a parts table page on which a list of said

parts is published;

           displaying a drawing display area to display a

drawing, at the least, either a board diagram for said

board or a circuit diagram for said circuit;

20   displaying said index page in said index page

display area;

           displaying said parts table page in said parts

table page display area;

           establishing in advance, for each of said names

25   published on said index page, index page information,

which is drawing identification information for said
drawing corresponding to said names, and when one of
said names displayed in said index page display area is
selected, obtaining from said index page information

5   said drawing identification information that is
designated for said selected name;

when said thus obtained drawing identification
information is information for a designation of said
board diagram or said circuit diagram, searching for and

10   displaying, in said drawing display area, said board
diagram or said circuit diagram that corresponds to said
drawing identification information;

when said drawing identification information thus
obtained is information for a designation of both said

15   board diagram and said circuit diagram, dividing said
drawing display area into first and second display areas
and searching for and displaying, in said first and
second display areas, said board diagram and said
circuit diagram that correspond to said drawing

20   identification information;

establishing in advance, for each graphics
primitive that is a constituent of said drawing,
graphics primitive information, which is part
identification information corresponding to each of said

25   parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is
selected, obtaining drawing identification information
designated for said drawing in which said graphics
primitive is selected, obtaining from said graphics

5   primitive information said part identification
information designated for said selected graphics
primitive, and enhancing and displaying said graphics
primitive that is selected;

establishing in advance, for each of said parts

10   published on said parts table page, parts table page
information that includes part identification
information corresponding to said part and drawing
identification information corresponding to said drawing
that shows said part as a graphics primitive, searching

15   for said parts table page information that includes the
same part identification information as designated for
said graphics primitive selected in said drawing,
obtaining said drawing identification information from
said parts table page information that has been found,

20   and enhancing and displaying, in said parts table page
display area, a part corresponding to said graphics
primitive that is selected; and

when said drawing identification information
obtained from said parts table page information is

25   information for a designation of both said board diagram

and said circuit diagram, and when drawings are shown in

said first and said second display areas, obtaining

drawing identification information for a drawing

displayed in one display area that is not a location

5   whereat a drawing that includes said selected graphics

primitive is shown, and when said drawing identification

information for said drawing in said display area is

included in said drawing identification information

obtained from said parts table page information,

10   enhancing and displaying a graphics primitive in said

display area that corresponds to said graphics primitive

that has been selected, or when said drawing

identification information for said drawing in said

display area is not included in said drawing

15   identification information obtained from said parts

table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

information, that differs from said drawing

20   identification information provided for said drawing

shown in the remaining display area, reading and

displaying, in said display area, said drawing that

corresponds to said drawing identification information,

and enhancing and displaying a graphics primitive in

25   said display area that corresponds to said graphics

primitive that is selected.

4. A recording medium on which recorded is an electronic service manual display program, which permits a computer to provide a function for displaying, on a display device, information that is related to parts and that is used for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said parts mounted on said board, or a circuit diagram that represents a circuit provided on said board, and which permits said computer to perform the steps of:

displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit;

displaying, in a designated parts table page display area, a parts table page showing a list of said parts;

establishing in advance, for each of said names published on said index page, index page information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that

corresponds to said name, and when one of said names displayed on said index page display area is selected, obtaining from said index page information said drawing identification information that is designated in

5   correlation with said selected name;

searching for said drawing designated by said thus obtained drawing identification information, and displaying said drawing in a designated drawing display area;

10   establishing in advance, for each of said parts published on said parts table page, parts table page information that includes part identification information correlated with said part and drawing identification information, which is correlated with

15   said drawing, that shows said part as a graphics primitive, and when one of said parts displayed in said parts table page display area is selected, obtaining from said parts table page information said part identification information designated for said selected

20   part and said drawing identification information, then, reading a drawing that corresponds to said drawing identification information thus obtained, and enhancing said selected part displayed in said parts table page display area;

25   establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information correlated with each of said

parts, and based on said part identification information

5   included in said graphics primitive information for said

drawing that has been read, searching for a graphics

primitive for which is designated the same part

identification information as said part identification

information that has been designated for said part

10   selected on said parts table page; and

displaying said drawing that has been read in said

drawing display area, and employing the search results

for said graphics primitive to enhance and display said

graphics primitive included in said drawing that has

15   been read and that corresponds to said part selected on

said parts table page.

5.   A recording medium on which recorded is an

electronic service manual display program, which permits

20   a computer to provide a function for displaying, on a

display device, information that is related to parts and

that is used for a predetermined product constituted by

an electric circuit or an electronic circuit employing

said parts as components, and at the least either a

25   board diagram that represents not only a board used for

said predetermined product but also said parts mounted
on said board, or a circuit diagram that represents a
circuit provided on said board, and which permits said
computer to perform the steps of:

5   displaying, in a designated index page display area,
an index page showing a list of names for, at the least,
either said board or said circuit;

         displaying, in a designated parts table page
display area, a parts table page showing a list of said

10   parts;

         establishing in advance, for each of said names
published on said index page, index page information,
which is drawing identification information for a
drawing, at the least either a board diagram for said

15   board or a circuit diagram for said circuit, that
corresponds to said name, and when one of said names
displayed on said index page display area is selected,
obtaining from said index page information said drawing
identification information that is designated in

20   correlation with said selected name;

         searching for said drawing designated by said thus
obtained drawing identification information, and
displaying said drawing in a designated drawing display
area;

25   establishing in advance, for each graphics

primitive that is a constituent of said drawing,
graphics primitive information, which is part
identification information correlated with each of said
parts, and when one of said graphics primitives in said

5   drawing displayed in said drawing display area is
selected, obtaining drawing identification information
that is designated for said drawing wherein said
graphics primitive is designated, obtaining from said
graphics primitive information said part identification

10   information that is designated for said graphics
primitive, and enhancing and displaying said graphics
primitive that has been selected; and

establishing in advance, for each of said parts
published on said parts table page, parts table page

15   information that includes part identification
information correlated with said part and drawing
identification information correlated with said drawing
that shows said part is a graphics primitive, searching
said parts table page information to find part

20   identification information that is designated for said
graphics primitive selected in said drawing, and
employing the search results to enhance and display, in
said parts table page display area, a part that
corresponds to said selected graphics primitive.

25

6.   A recording medium on which recorded is an
electronic service manual display program, which permits
a computer to provide a function for displaying, on a
display device, information that is related to parts and
that is used for a predetermined product constituted by
an electric circuit or an electronic circuit employing
said parts as components, and at the least either a
board diagram that represents not only a board used for
said predetermined product but also said parts mounted
on said board, or a circuit diagram that represents a
circuit provided on said board, and which permits said
computer to perform the steps of:

displaying an index page display area for
displaying an index page on which a list of names for,
at the least, either said board or said circuit is
published;

displaying a parts table page display area for
displaying a parts table page on which a list of said
parts is published;

displaying a drawing display area to display a
drawing, at the least, either a board diagram for said
board or a circuit diagram for said circuit;

displaying said index page in said index page
display area;

displaying said parts table page in said parts

table page display area;

establishing in advance, for each of said names
published on said index page, index page information,
which is drawing identification information for said
5   drawing corresponding to said names, and when one of
said names displayed in said index page display area is
selected, obtaining from said index page information
said drawing identification information that is
designated for said selected name;

10   when said thus obtained drawing identification
information is information for a designation of said
board diagram or said circuit diagram, searching for and
displaying, in said drawing display area, said board
diagram or said circuit diagram that corresponds to said
15   drawing identification information;

when said drawing identification information thus
obtained is information for a designation of both said
board diagram and said circuit diagram, dividing said
drawing display area into first and second display areas
20   and searching for and displaying, in said first and
second display areas, said board diagram and said
circuit diagram that correspond to said drawing
identification information;

establishing in advance, for each graphics
25   primitive that is a constituent of said drawing,

graphics primitive information, which is part
identification information corresponding to each of said
parts, and when one of said graphics primitives in said
drawing displayed in said drawing display area is

5   selected, obtaining drawing identification information
designated for said drawing in which said graphics
primitive is selected, obtaining from said graphics
primitive information said part identification
information designated for said selected graphics

10   primitive, and enhancing and displaying said graphics
primitive that is selected;

       establishing in advance, for each of said parts
published on said parts table page, parts table page
information that includes part identification

15   information corresponding to said part and drawing
identification information corresponding to said drawing
that shows said part as a graphics primitive, searching
for said parts table page information that includes the
same part identification information as designated for

20   said graphics primitive selected in said drawing,
obtaining said drawing identification information from
said parts table page information that has been found,
and enhancing and displaying, in said parts table page
display area, a part corresponding to said graphics

25   primitive that is selected; and

when said drawing identification information

obtained from said parts table page information is

information for a designation of both said board diagram

and said circuit diagram, and when drawings are shown in

5   said first and said second display areas, obtaining

drawing identification information for a drawing

displayed in one display area that is not a location

whereat a drawing that includes said selected graphics

primitive is shown, and when said drawing identification

10   information for said drawing in said display area is

included in said drawing identification information

obtained from said parts table page information,

enhancing and displaying a graphics primitive in said

display area that corresponds to said graphics primitive

15   that has been selected, or when said drawing

identification information for said drawing in said

display area is not included in said drawing

identification information obtained from said parts

table page information, obtaining drawing information

20   identification, from said drawing identification

information acquired from said parts table page

information, that differs from said drawing

identification information provided for said drawing

shown in the remaining display area, reading and

25   displaying, in said display area, said drawing that

corresponds to said drawing identification information, and enhancing and displaying a graphics primitive in said display area that corresponds to said graphics primitive that is selected.

5

7. An electronic service manual display control method, for displaying, on a display device, information that is related to parts and that is used for a predetermined product constituted by an electric circuit or an

10   electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said parts mounted on said board, or a circuit diagram that represents a circuit provided on said board,

15   comprising steps of:

    displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit;

    displaying, in a designated parts table page

20   display area, a parts table page showing a list of said parts;

    establishing in advance, for each of said names published on said index page, index page information, which is drawing identification information for a

25   drawing, at the least either a board diagram for said

board or a circuit diagram for said circuit, that

corresponds to said name, and when one of said names

displayed on said index page display area is selected,

obtaining from said index page information said drawing

5   identification information that is designated in

correlation with said selected name;

searching for said drawing designated by said thus

obtained drawing identification information, and

displaying said drawing in a designated drawing display

10   area;

establishing in advance, for each of said parts

published on said parts table page, parts table page

information that includes part identification

information correlated with said part and drawing

15   identification information, which is correlated with

said drawing, that shows said part as a graphics

primitive, and when one of said parts displayed in said

parts table page display area is selected, obtaining

from said parts table page information said part

20   identification information designated for said selected

part and said drawing identification information, then,

reading a drawing that corresponds to said drawing

identification information thus obtained, and enhancing

said selected part displayed in said parts table page

25   display area;

establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part identification information correlated with each of said

5   parts, and based on said part identification information included in said graphics primitive information for said drawing that has been read, searching for a graphics primitive for which is designated the same part identification information as said part identification

10   information that has been designated for said part selected on said parts table page; and

displaying said drawing that has been read in said drawing display area, and employing the search results for said graphics primitive to enhance and display said

15   graphics primitive included in said drawing that has been read and that corresponds to said part selected on said parts table page.

8.   An electronic service manual display control method,

20   for displaying, on a display device, information that is related to parts and that is used for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents

25   not only a board used for said predetermined product but

also said parts mounted on said board, or a circuit

diagram that represents a circuit provided on said board,

comprising the steps of:

displaying, in a designated index page display area,

5   an index page showing a list of names for, at the least,

either said board or said circuit;

displaying, in a designated parts table page

display area, a parts table page showing a list of said

parts;

10   establishing in advance, for each of said names

published on said index page, index page information,

which is drawing identification information for a

drawing, at the least either a board diagram for said

board or a circuit diagram for said circuit, that

15   corresponds to said name, and when one of said names

displayed on said index page display area is selected,

obtaining from said index page information said drawing

identification information that is designated in

correlation with said selected name;

20   searching for said drawing designated by said thus

obtained drawing identification information, and

displaying said drawing in a designated drawing display

area;

establishing in advance, for each graphics

25   primitive that is a constituent of said drawing,

graphics primitive information, which is part
identification information correlated with each of said
parts, and when one of said graphics primitives in said
drawing displayed in said drawing display area is

5   selected, obtaining drawing identification information
that is designated for said drawing wherein said
graphics primitive is designated, obtaining from said
graphics primitive information said part identification
information that is designated for said graphics

10   primitive, and enhancing and displaying said graphics
primitive that has been selected; and

establishing in advance, for each of said parts
published on said parts table page, parts table page
information that includes part identification

15   information correlated with said part and drawing
identification information correlated with said drawing
that shows said part is a graphics primitive, searching
said parts table page information to find part
identification information that is designated for said

20   graphics primitive selected in said drawing, and
employing the search results to enhance and display, in
said parts table page display area, a part that
corresponds to said selected graphics primitive.

25   9. An electronic service manual display control method,

for displaying, on a display device, information that is
related to parts and that is used for a predetermined
product constituted by an electric circuit or an
electronic circuit employing said parts as components,

5   and at the least either a board diagram that represents
not only a board used for said predetermined product but
also said parts mounted on said board, or a circuit
diagram that represents a circuit provided on said board,
comprising the steps of:

10   displaying an index page display area for
displaying an index page on which a list of names for,
at the least, either said board or said circuit is
published;

displaying a parts table page display area for

15   displaying a parts table page on which a list of said
parts is published;

displaying a drawing display area to display a
drawing, at the least, either a board diagram for said
board or a circuit diagram for said circuit;

20   displaying said index page in said index page
display area;

displaying said parts table page in said parts
table page display area;

establishing in advance, for each of said names

25   published on said index page, index page information,

which is drawing identification information for said

drawing corresponding to said names, and when one of

said names displayed in said index page display area is

selected, obtaining from said index page information

5   said drawing identification information that is

designated for said selected name;

when said thus obtained drawing identification

information is information for a designation of said

board diagram or said circuit diagram, searching for and

10   displaying, in said drawing display area, said board

diagram or said circuit diagram that corresponds to said

drawing identification information;

when said drawing identification information thus

obtained is information for a designation of both said

15   board diagram and said circuit diagram, dividing said

drawing display area into first and second display areas

and searching for and displaying, in said first and

second display areas, said board diagram and said

circuit diagram that correspond to said drawing

20   identification information;

establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information corresponding to each of said

25   parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is
selected, obtaining drawing identification information
designated for said drawing in which said graphics
primitive is selected, obtaining from said graphics
5   primitive information said part identification
information designated for said selected graphics
primitive, and enhancing and displaying said graphics
primitive that is selected;

establishing in advance, for each of said parts
10   published on said parts table page, parts table page
information that includes part identification
information corresponding to said part and drawing
identification information corresponding to said drawing
that shows said part as a graphics primitive, searching
15   for said parts table page information that includes the
same part identification information as designated for
said graphics primitive selected in said drawing,
obtaining said drawing identification information from
said parts table page information that has been found,
20   and enhancing and displaying, in said parts table page
display area, a part corresponding to said graphics
primitive that is selected; and

when said drawing identification information
obtained from said parts table page information is
25   information for a designation of both said board diagram

and said circuit diagram, and when drawings are shown in

said first and said second display areas, obtaining

drawing identification information for a drawing

displayed in one display area that is not a location

5   whereat a drawing that includes said selected graphics

primitive is shown, and when said drawing identification

information for said drawing in said display area is

included in said drawing identification information

obtained from said parts table page information,

10   enhancing and displaying a graphics primitive in said

display area that corresponds to said graphics primitive

that has been selected, or when said drawing

identification information for said drawing in said

display area is not included in said drawing

15   identification information obtained from said parts

table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

information, that differs from said drawing

20   identification information provided for said drawing

shown in the remaining display area, reading and

displaying, in said display area, said drawing that

corresponds to said drawing identification information,

and enhancing and displaying a graphics primitive in

25   said display area that corresponds to said graphics

primitive that is selected.

10. An electronic service manual display control
apparatus, for displaying, on a display device,
information that is related to parts and that is used
for a predetermined product constituted by an electric
circuit or an electronic circuit employing said parts as
components, and at the least either a board diagram that
represents not only a board used for said predetermined
product but also said parts mounted on said board, or a
circuit diagram that represents a circuit provided on
said board, comprising:

   means for displaying, in a designated index page
display area, an index page showing a list of names for,
at the least, either said board or said circuit;

   means for displaying, in a designated parts table
page display area, a parts table page showing a list of
said parts;

   means for establishing in advance, for each of said
names published on said index page, index page
information, which is drawing identification information
for a drawing, at the least either a board diagram for
said board or a circuit diagram for said circuit, that
corresponds to said name, and for, when one of said
names displayed on said index page display area is

selected, obtaining from said index page information

said drawing identification information that is

designated in correlation with said selected name;

means for searching for said drawing designated by

5   said thus obtained drawing identification information,

and for displaying said drawing in a designated drawing

display area;

means for establishing in advance, for each of said

parts published on said parts table page, parts table

10   page information that includes part identification

information correlated with said part and drawing

identification information, which is correlated with

said drawing, that shows said part as a graphics

primitive, and for, when one of said parts displayed in

15   said parts table page display area is selected,

obtaining from said parts table page information said

part identification information designated for said

selected part and said drawing identification

information, then, reading a drawing that corresponds to

20   said drawing identification information thus obtained,

and enhancing said selected part displayed in said parts

table page display area;

means for establishing in advance, for each

graphics primitive that is a constituent of said drawing,

25   graphics primitive information, which is part

identification information correlated with each of said

parts, and for, based on said part identification

information included in said graphics primitive

information for said drawing that has been read,

5   searching for a graphics primitive for which is

designated the same part identification information as

said part identification information that has been

designated for said part selected on said parts table

page; and

10   means for displaying said drawing that has been

read in said drawing display area, and for employing the

search results for said graphics primitive to enhance

and display said graphics primitive included in said

drawing that has been read and that corresponds to said

15   part selected on said parts table page.

11. An electronic service manual display control

apparatus, for displaying, on a display device,

information that is related to parts and that is used

20   for a predetermined product constituted by an electric

circuit or an electronic circuit employing said parts as

components, and at the least either a board diagram that

represents not only a board used for said predetermined

product but also said parts mounted on said board, or a

25   circuit diagram that represents a circuit provided on

said board, comprising:

means for displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit;

5   means for displaying, in a designated parts table page display area, a parts table page showing a list of said parts;

means for establishing in advance, for each of said names published on said index page, index page

10   information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and for, when one of said names displayed on said index page display area is

15   selected, obtaining from said index page information said drawing identification information that is designated in correlation with said selected name;

means for searching for said drawing designated by said thus obtained drawing identification information,

20   and for displaying said drawing in a designated drawing display area;

means for establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part

25   identification information correlated with each of said

parts, and for, when one of said graphics primitives in
said drawing displayed in said drawing display area is
selected, obtaining drawing identification information
that is designated for said drawing wherein said

5   graphics primitive is designated, obtaining from said
graphics primitive information said part identification
information that is designated for said graphics
primitive, and enhancing and displaying said graphics
primitive that has been selected; and

10   means for establishing in advance, for each of said
parts published on said parts table page, parts table
page information that includes part identification
information correlated with said part and drawing
identification information correlated with said drawing

15   that shows said part is a graphics primitive, for
searching said parts table page information to find part
identification information that is designated for said
graphics primitive selected in said drawing, and for
employing the search results to enhance and display, in

20   said parts table page display area, a part that
corresponds to said selected graphics primitive.

12. An electronic service manual display control
apparatus, for displaying, on a display device,

25   information that is related to parts and that is used

for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined

5   product but also said parts mounted on said board, or a circuit diagram that represents a circuit provided on said board, comprising:

means for displaying an index page display area for displaying an index page on which a list of names for,

10   at the least, either said board or said circuit is published;

means for displaying a parts table page display area for displaying a parts table page on which a list of said parts is published;

15   means for displaying a drawing display area to display a drawing, at the least, either a board diagram for said board or a circuit diagram for said circuit;

means for displaying said index page in said index page display area;

20   means for displaying said parts table page in said parts table page display area;

means for establishing in advance, for each of said names published on said index page, index page information, which is drawing identification information

25   for said drawing corresponding to said names, and for,

when one of said names displayed in said index page

display area is selected, obtaining from said index page

information said drawing identification information that

is designated for said selected name;

5   means for, when said thus obtained drawing

identification information is information for a

designation of said board diagram or said circuit

diagram, searching for and displaying, in said drawing

display area, said board diagram or said circuit diagram

10   that corresponds to said drawing identification

information;

means for, when said drawing identification

information thus obtained is information for a

designation of both said board diagram and said circuit

15   diagram, dividing said drawing display area into first

and second display areas, and for searching for and

displaying, in said first and second display areas, said

board diagram and said circuit diagram that correspond

to said drawing identification information;

20   means for establishing in advance, for each

graphics primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information corresponding to each of said

parts, and for, when one of said graphics primitives in

25   said drawing displayed in said drawing display area is

selected, obtaining drawing identification information

designated for said drawing in which said graphics

primitive is selected, obtaining from said graphics

primitive information said part identification

5   information designated for said selected graphics

primitive, and enhancing and displaying said graphics

primitive that is selected;

means for establishing in advance, for each of said

parts published on said parts table page, parts table

10   page information that includes part identification

information corresponding to said part and drawing

identification information corresponding to said drawing

that shows said part as a graphics primitive, for

searching for said parts table page information that

15   includes the same part identification information as

designated for said graphics primitive selected in said

drawing, for obtaining said drawing identification

information from said parts table page information that

has been found, and for enhancing and displaying, in

20   said parts table page display area, a part corresponding

to said graphics primitive that is selected; and

means for, when said drawing identification

information obtained from said parts table page

information is information for a designation of both

25   said board diagram and said circuit diagram, and when

drawings are shown in said first and said second display

areas, obtaining drawing identification information for

a drawing displayed in one display area that is not a

location whereat a drawing that includes said selected

5   graphics primitive is shown, and for, when said drawing

identification information for said drawing in said

display area is included in said drawing identification

information obtained from said parts table page

information, enhancing and displaying a graphics

10   primitive in said display area that corresponds to said

graphics primitive that has been selected, or for, when

said drawing identification information for said drawing

in said display area is not included in said drawing

identification information obtained from said parts

15   table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

information, that differs from said drawing

identification information provided for said drawing

20   shown in the remaining display area, reading and

displaying, in said display area, said drawing that

corresponds to said drawing identification information,

and enhancing and displaying a graphics primitive in

said display area that corresponds to said graphics

25   primitive that is selected.

13. A program transmission method, for transmitting an
electronic service manual display program that permits a
computer to provide a function for displaying, on a

5   display device, information that is related to parts and
that is used for a predetermined product constituted by
an electric circuit or an electronic circuit employing
said parts as components, and at the least either a
board diagram that represents not only a board used for

10   said predetermined product but also said parts mounted
on said board, or a circuit diagram that represents a
circuit provided on said board, comprising the steps of:
        converting said electronic service manual display
program into a digital signal sequence, for a

15   communication line or a network, with an added header;
and   .

        initiating employment of a communication protocol
with a partner station across said communication line or
said network and transmitting said digital signal

20   sequence,

        whereby said electronic service manual display
program includes the steps of

        displaying, in a designated index page display
area, an index page showing a list of names for, at the

25   least, either said board or said circuit,

displaying, in a designated parts table page display area, a parts table page showing a list of said parts,

establishing in advance, for each of said
5   names published on said index page, index page information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names
10   displayed on said index page display area is selected, obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

searching for said drawing designated by said
15   thus obtained drawing identification information, and displaying said drawing in a designated drawing display area,

establishing in advance, for each of said parts published on said parts table page, parts table
20   page information that includes part identification information correlated with said part and drawing identification information, which is correlated with said drawing, that shows said part as a graphics primitive, and when one of said parts displayed in said
25   parts table page display area is selected, obtaining

from said parts table page information said part

identification information designated for said selected

part and said drawing identification information, then,

reading a drawing that corresponds to said drawing

5   identification information thus obtained, and enhancing

said selected part displayed in said parts table page

display area,

establishing in advance, for each graphics

primitive that is a constituent of said drawing,

10   graphics primitive information, which is part

identification information correlated with each of said

parts, and based on said part identification information

included in said graphics primitive information for said

drawing that has been read, searching for a graphics

15   primitive for which is designated the same part

identification information as said part identification

information that has been designated for said part

selected on said parts table page, and

displaying said drawing that has been read in

20   said drawing display area, and employing the search

results for said graphics primitive to enhance and

display said graphics primitive included in said drawing

that has been read and that corresponds to said part

selected on said parts table page.

25

14. A program transmission method, for transmitting an electronic service manual display program that permits a computer to provide a function for displaying, on a display device, information that is related to parts and

5   that is used for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said parts mounted

10   on said board, or a circuit diagram that represents a circuit provided on said board, comprising the steps of:

       converting said electronic service manual display program into a digital signal sequence, for a communication line or a network, with an added header;

15   and

       initiating employment of a communication protocol with a partner station across said communication line or said network and transmitting said digital signal sequence,

20   whereby said electronic service manual display program includes the steps of

        displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit,

25   displaying, in a designated parts table page

display area, a parts table page showing a list of said parts,

establishing in advance, for each of said names published on said index page, index page

5   information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names displayed on said index page display area is selected,

10   obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

searching for said drawing designated by said thus obtained drawing identification information, and

15   displaying said drawing in a designated drawing display area,

establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part

20   identification information correlated with each of said parts, and when one of said graphics primitives in said drawing displayed in said drawing display area is selected, obtaining drawing identification information that is designated for said drawing wherein said

25   graphics primitive is designated, obtaining from said

graphics primitive information said part identification
information that is designated for said graphics
primitive, and enhancing and displaying said graphics
primitive that has been selected, and

5   establishing in advance, for each of said
parts published on said parts table page, parts table
page information that includes part identification
information correlated with said part and drawing
identification information correlated with said drawing

10   that shows said part is a graphics primitive, searching
said parts table page information to find part
identification information that is designated for said
graphics primitive selected in said drawing, and
employing the search results to enhance and display, in

15   said parts table page display area, a part that
corresponds to said selected graphics primitive.

15. A program transmission method, for transmitting an
electronic service manual display program that permits a

20   computer to provide a function for displaying, on a
display device, information that is related to parts and
that is used for a predetermined product constituted by
an electric circuit or an electronic circuit employing
said parts as components, and at the least either a

25   board diagram that represents not only a board used for

said predetermined product but also said parts mounted
on said board, or a circuit diagram that represents a
circuit provided on said board, comprising the steps of:

converting said electronic service manual display

5   program into a digital signal sequence, for a
communication line or a network, with an added header;
and

initiating employment of a communication protocol
with a partner station across said communication line or

10   said network and transmitting said digital signal
sequence,

whereby said electronic service manual display
program includes the steps of

displaying an index page display area for

15   displaying an index page on which a list of names for,
at the least, either said board or said circuit is
published,

displaying a parts table page display area for
displaying a parts table page on which a list of said

20   parts is published,

displaying a drawing display area to display a
drawing, at the least, either a board diagram for said
board or a circuit diagram for said circuit,

displaying said index page in said index page

25   display area,

displaying said parts table page in said parts
table page display area,

establishing in advance, for each of said
names published on said index page, index page

5   information, which is drawing identification information
for said drawing corresponding to said names, and when
one of said names displayed in said index page display
area is selected, obtaining from said index page
information said drawing identification information that

10   is designated for said selected name,

when said thus obtained drawing identification
information is information for a designation of said
board diagram or said circuit diagram, searching for and
displaying, in said drawing display area, said board

15   diagram or said circuit diagram that corresponds to said
drawing identification information,

when said drawing identification information
thus obtained is information for a designation of both
said board diagram and said circuit diagram, dividing

20   said drawing display area into first and second display
areas and searching for and displaying, in said first
and second display areas, said board diagram and said
circuit diagram that correspond to said drawing
identification information,

25   establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information corresponding to each of said

parts, and when one of said graphics primitives in said

5   drawing displayed in said drawing display area is

selected, obtaining drawing identification information

designated for said drawing in which said graphics

primitive is selected, obtaining from said graphics

primitive information said part identification

10 information designated for said selected graphics

primitive, and enhancing and displaying said graphics

primitive that is selected,

establishing in advance, for each of said

parts published on said parts table page, parts table

15 page information that includes part identification

information corresponding to said part and drawing

identification information corresponding to said drawing

that shows said part as a graphics primitive, searching

for said parts table page information that includes the

20 same part identification information as designated for

said graphics primitive selected in said drawing,

obtaining said drawing identification information from

said parts table page information that has been found,

and enhancing and displaying, in said parts table page

25 display area, a part corresponding to said graphics

primitive that is selected, and

when said drawing identification information

obtained from said parts table page information is

information for a designation of both said board diagram

5   and said circuit diagram, and when drawings are shown in

said first and said second display areas, obtaining

drawing identification information for a drawing

displayed in one display area that is not a location

whereat a drawing that includes said selected graphics

10   primitive is shown, and when said drawing identification

information for said drawing in said display area is

included in said drawing identification information

obtained from said parts table page information,

enhancing and displaying a graphics primitive in said

15   display area that corresponds to said graphics primitive

that has been selected, or when said drawing

identification information for said drawing in said

display area is not included in said drawing

identification information obtained from said parts

20   table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

information, that differs from said drawing

identification information provided for said drawing

25   shown in the remaining display area, reading and

displaying, in said display area, said drawing that corresponds to said drawing identification information, and enhancing and displaying a graphics primitive in said display area that corresponds to said graphics

5   primitive that is selected.

16. A program transmission apparatus, for transmitting an electronic service manual display program that permits a computer to provide a function for displaying,

10   on a display device, information that is related to parts and that is used for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a

15   board used for said predetermined product but also said parts mounted on said board, or a circuit diagram that represents a circuit provided on said board, comprising:

      means for converting said electronic service manual display program into a digital signal sequence, for a

20   communication line or a network, with an added header; and

      means for initiating employment of a communication protocol with a partner station across said communication line or said network and transmitting said

25   digital signal sequence,

wherein said electronic service manual display program includes the steps of

displaying, in a designated index page display area, an index page showing a list of names for, at the

5   least, either said board or said circuit,

displaying, in a designated parts table page display area, a parts table page showing a list of said parts,

establishing in advance, for each of said

10   names published on said index page, index page information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names

15   displayed on said index page display area is selected, obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

searching for said drawing designated by said

20   thus obtained drawing identification information, and displaying said drawing in a designated drawing display area,

establishing in advance, for each of said parts published on said parts table page, parts table

25   page information that includes part identification

information correlated with said part and drawing

identification information, which is correlated with

said drawing, that shows said part as a graphics

primitive, and when one of said parts displayed in said

5   parts table page display area is selected, obtaining

from said parts table page information said part

identification information designated for said selected

part and said drawing identification information, then,

reading a drawing that corresponds to said drawing

10   identification information thus obtained, and enhancing

said selected part displayed in said parts table page

display area,

establishing in advance, for each graphics

primitive that is a constituent of said drawing,

15   graphics primitive information, which is part

identification information correlated with each of said

parts, and based on said part identification information

included in said graphics primitive information for said

drawing that has been read, searching for a graphics

20   primitive for which is designated the same part

identification information as said part identification

information that has been designated for said part

selected on said parts table page, and

displaying said drawing that has been read in

25   said drawing display area, and employing the search

results for said graphics primitive to enhance and display said graphics primitive included in said drawing that has been read and that corresponds to said part selected on said parts table page.

5

17. A program transmission apparatus, for transmitting an electronic service manual display program that permits a computer to provide a function for displaying, on a display device, information that is related to

10 parts and that is used for a predetermined product constituted by an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said

15 parts mounted on said board, or a circuit diagram that represents a circuit provided on said board, comprising:

means for converting said electronic service manual display program into a digital signal sequence, for a communication line or a network, with an added header;

20 and

means for initiating employment of a communication protocol with a partner station across said communication line or said network and transmitting said digital signal sequence,

25 wherein said electronic service manual display

program includes the steps of

   displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit,

5   displaying, in a designated parts table page display area, a parts table page showing a list of said parts,

   establishing in advance, for each of said names published on said index page, index page

10   information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names displayed on said index page display area is selected,

15   obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

   searching for said drawing designated by said thus obtained drawing identification information, and

20   displaying said drawing in a designated drawing display area,

   establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part

25   identification information correlated with each of said

parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is

selected, obtaining drawing identification information

that is designated for said drawing wherein said

5   graphics primitive is designated, obtaining from said

graphics primitive information said part identification

information that is designated for said graphics

primitive, and enhancing and displaying said graphics

primitive that has been selected, and

10   establishing in advance, for each of said

parts published on said parts table page, parts table

page information that includes part identification

information correlated with said part and drawing

identification information correlated with said drawing

15   that shows said part is a graphics primitive, searching

said parts table page information to find part

identification information that is designated for said

graphics primitive selected in said drawing, and

employing the search results to enhance and display, in

20   said parts table page display area, a part that

corresponds to said selected graphics primitive.

18. A program transmission apparatus, for transmitting

an electronic service manual display program that

25   permits a computer to provide a function for displaying,

on a display device, information that is related to

parts and that is used for a predetermined product

constituted by an electric circuit or an electronic

circuit employing said parts as components, and at the

5 least either a board diagram that represents not only a

board used for said predetermined product but also said

parts mounted on said board, or a circuit diagram that

represents a circuit provided on said board, comprising:

 means for converting said electronic service manual

10 display program into a digital signal sequence, for a

communication line or a network, with an added header;

and

 means for initiating employment of a communication

protocol with a partner station across said

15 communication line or said network and transmitting said

digital signal sequence,

 wherein said electronic service manual display

program includes the steps of

  displaying an index page display area for

20 displaying an index page on which a list of names for,

at the least, either said board or said circuit is

published,

  displaying a parts table page display area for

displaying a parts table page on which a list of said

25 parts is published,

displaying a drawing display area to display a drawing, at the least, either a board diagram for said board or a circuit diagram for said circuit,

displaying said index page in said index page

5   display area,

displaying said parts table page in said parts table page display area,

establishing in advance, for each of said names published on said index page, index page

10   information, which is drawing identification information for said drawing corresponding to said names, and when one of said names displayed in said index page display area is selected, obtaining from said index page information said drawing identification information that

15   is designated for said selected name,

when said thus obtained drawing identification information is information for a designation of said board diagram or said circuit diagram, searching for and displaying, in said drawing display area, said board

20   diagram or said circuit diagram that corresponds to said drawing identification information,

when said drawing identification information thus obtained is information for a designation of both said board diagram and said circuit diagram, dividing

25   said drawing display area into first and second display

areas and searching for and displaying, in said first

and second display areas, said board diagram and said

circuit diagram that correspond to said drawing

identification information,

5   establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information corresponding to each of said

parts, and when one of said graphics primitives in said

10   drawing displayed in said drawing display area is

selected, obtaining drawing identification information

designated for said drawing in which said graphics

primitive is selected, obtaining from said graphics

primitive information said part identification

15   information designated for said selected graphics

primitive, and enhancing and displaying said graphics

primitive that is selected,

          establishing in advance, for each of said

parts published on said parts table page, parts table

20   page information that includes part identification

information corresponding to said part and drawing

identification information corresponding to said drawing

that shows said part as a graphics primitive, searching

for said parts table page information that includes the

25   same part identification information as designated for

said graphics primitive selected in said drawing,

obtaining said drawing identification information from

said parts table page information that has been found,

and enhancing and displaying, in said parts table page

5   display area, a part corresponding to said graphics

primitive that is selected, and

when said drawing identification information

obtained from said parts table page information is

information for a designation of both said board diagram

10   and said circuit diagram, and when drawings are shown in

said first and said second display areas, obtaining

drawing identification information for a drawing

displayed in one display area that is not a location

whereat a drawing that includes said selected graphics

15   primitive is shown, and when said drawing identification

information for said drawing in said display area is

included in said drawing identification information

obtained from said parts table page information,

enhancing and displaying a graphics primitive in said

20   display area that corresponds to said graphics primitive

that has been selected, or when said drawing

identification information for said drawing in said

display area is not included in said drawing

identification information obtained from said parts

25   table page information, obtaining drawing information

identification, from said drawing identification
information acquired from said parts table page
information, that differs from said drawing
identification information provided for said drawing

5   shown in the remaining display area, reading and
displaying, in said display area, said drawing that
corresponds to said drawing identification information,
and enhancing and displaying a graphics primitive in
said display area that corresponds to said graphics

10   primitive that is selected.

19.   A program reception method, for receiving an
electronic service manual display program that permits a
computer to provide a function for displaying, on a

15   display device, information that is related to parts and
that is used for a predetermined product constituted by
an electric circuit or an electronic circuit employing
said parts as components, and at the least either a
board diagram that represents not only a board used for

20   said predetermined product but also said parts mounted
on said board, or a circuit diagram that represents a
circuit provided on said board, comprising the steps of:
        initiating employment of a communication protocol
with a partner station across a communication line or a

25   network and receiving a digital signal sequence; and

removing headers from said digital signal sequence and converting said digital signal sequence used for a communication line or a network into said original electronic service manual display program,

5   whereby said electronic service manual display program includes the steps of

displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit,

10   displaying, in a designated parts table page display area, a parts table page showing a list of said parts,

establishing in advance, for each of said names published on said index page, index page

15   information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names displayed on said index page display area is selected,

20   obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

searching for said drawing designated by said thus obtained drawing identification information, and

25   displaying said drawing in a designated drawing display

area,

establishing in advance, for each of said parts published on said parts table page, parts table page information that includes part identification information correlated with said part and drawing identification information, which is correlated with said drawing, that shows said part as a graphics primitive, and when one of said parts displayed in said parts table page display area is selected, obtaining from said parts table page information said part identification information designated for said selected part and said drawing identification information, then, reading a drawing that corresponds to said drawing identification information thus obtained, and enhancing said selected part displayed in said parts table page display area,

establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part identification information correlated with each of said parts, and based on said part identification information included in said graphics primitive information for said drawing that has been read, searching for a graphics primitive for which is designated the same part identification information as said part identification

information that has been designated for said part selected on said parts table page, and

displaying said drawing that has been read in said drawing display area, and employing the search

5   results for said graphics primitive to enhance and display said graphics primitive included in said drawing that has been read and that corresponds to said part selected on said parts table page.

10   20. A program reception method, for receiving an electronic service manual display program that permits a computer to provide a function for displaying, on a display device, information that is related to parts and that is used for a predetermined product constituted by

15   an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said parts mounted on said board, or a circuit diagram that represents a

20   circuit provided on said board, comprising the steps of:

initiating employment of a communication protocol with a partner station across a communication line or a network and receiving a digital signal sequence; and

removing headers from said digital signal sequence

25   and converting said digital signal sequence used for a

communication line or a network into said original

electronic service manual display program,

whereby said electronic service manual display

program includes the steps of

5 displaying, in a designated index page display

area, an index page showing a list of names for, at the

least, either said board or said circuit,

displaying, in a designated parts table page

display area, a parts table page showing a list of said

10 parts,

establishing in advance, for each of said

names published on said index page, index page

information, which is drawing identification information

for a drawing, at the least either a board diagram for

15 said board or a circuit diagram for said circuit, that

corresponds to said name, and when one of said names

displayed on said index page display area is selected,

obtaining from said index page information said drawing

identification information that is designated in

20 correlation with said selected name,

searching for said drawing designated by said

thus obtained drawing identification information, and

displaying said drawing in a designated drawing display

area,

25 establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

identification information correlated with each of said

parts, and when one of said graphics primitives in said

5   drawing displayed in said drawing display area is

selected, obtaining drawing identification information

that is designated for said drawing wherein said

graphics primitive is designated, obtaining from said

graphics primitive information said part identification

10   information that is designated for said graphics

primitive, and enhancing and displaying said graphics

primitive that has been selected, and

establishing in advance, for each of said

parts published on said parts table page, parts table

15   page information that includes part identification

information correlated with said part and drawing

identification information correlated with said drawing

that shows said part is a graphics primitive, searching

said parts table page information to find part

20   identification information that is designated for said

graphics primitive selected in said drawing, and

employing the search results to enhance and display, in

said parts table page display area, a part that

corresponds to said selected graphics primitive.

25

21. A program reception method, for receiving an

electronic service manual display program that permits a

computer to provide a function for displaying, on a

display device, information that is related to parts and

5   that is used for a predetermined product constituted by

an electric circuit or an electronic circuit employing

said parts as components, and at the least either a

board diagram that represents not only a board used for

said predetermined product but also said parts mounted

10   on said board, or a circuit diagram that represents a

circuit provided on said board, comprising the steps of:

        initiating employment of a communication protocol

with a partner station across a communication line or a

network and receiving a digital signal sequence; and

15   removing headers from said digital signal sequence

and converting said digital signal sequence used for a

communication line or a network into said original

electronic service manual display program,

        whereby said electronic service manual display

20   program includes the steps of

        displaying an index page display area for

displaying an index page on which a list of names for,

at the least, either said board or said circuit is

published,

25   displaying a parts table page display area for

displaying a parts table page on which a list of said
parts is published,

displaying a drawing display area to display a
drawing, at the least, either a board diagram for said

5   board or a circuit diagram for said circuit,

displaying said index page in said index page
display area,

displaying said parts table page in said parts
table page display area,

10   establishing in advance, for each of said
names published on said index page, index page
information, which is drawing identification information
for said drawing corresponding to said names, and when
one of said names displayed in said index page display

15   area is selected, obtaining from said index page
information said drawing identification information that
is designated for said selected name,

when said thus obtained drawing identification
information is information for a designation of said

20   board diagram or said circuit diagram, searching for and
displaying, in said drawing display area, said board
diagram or said circuit diagram that corresponds to said
drawing identification information,

when said drawing identification information

25   thus obtained is information for a designation of both

said board diagram and said circuit diagram, dividing

said drawing display area into first and second display

areas and searching for and displaying, in said first

and second display areas, said board diagram and said

5   circuit diagram that correspond to said drawing

identification information,

establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

10   identification information corresponding to each of said

parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is

selected, obtaining drawing identification information

designated for said drawing in which said graphics

15   primitive is selected, obtaining from said graphics

primitive information said part identification

information designated for said selected graphics

primitive, and enhancing and displaying said graphics

primitive that is selected,

20   establishing in advance, for each of said

parts published on said parts table page, parts table

page information that includes part identification

information corresponding to said part and drawing

identification information corresponding to said drawing

25   that shows said part as a graphics primitive, searching

for said parts table page information that includes the
same part identification information as designated for
said graphics primitive selected in said drawing,
obtaining said drawing identification information from
5   said parts table page information that has been found,
and enhancing and displaying, in said parts table page
display area, a part corresponding to said graphics
primitive that is selected, and

when said drawing identification information
10   obtained from said parts table page information is
information for a designation of both said board diagram
and said circuit diagram, and when drawings are shown in
said first and said second display areas, obtaining
drawing identification information for a drawing
15   displayed in one display area that is not a location
whereat a drawing that includes said selected graphics
primitive is shown, and when said drawing identification
information for said drawing in said display area is
included in said drawing identification information
20   obtained from said parts table page information,
enhancing and displaying a graphics primitive in said
display area that corresponds to said graphics primitive
that has been selected, or when said drawing
identification information for said drawing in said
25   display area is not included in said drawing

identification information obtained from said parts

table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

5   information, that differs from said drawing

identification information provided for said drawing

shown in the remaining display area, reading and

displaying, in said display area, said drawing that

corresponds to said drawing identification information,

10   and enhancing and displaying a graphics primitive in

said display area that corresponds to said graphics

primitive that is selected.

22. A program reception apparatus, for receiving an

15   electronic service manual display program that permits a

computer to provide a function for displaying, on a

display device, information that is related to parts and

that is used for a predetermined product constituted by

an electric circuit or an electronic circuit employing

20   said parts as components, and at the least either a

board diagram that represents not only a board used for

said predetermined product but also said parts mounted

on said board, or a circuit diagram that represents a

circuit provided on said board, comprising:

25   means for initiating employment of a communication

protocol with a partner station across a communication line or a network and receiving a digital signal sequence; and

means for removing headers from said digital signal sequence and converting said digital signal sequence used for a communication line or a network into said original electronic service manual display program,

wherein said electronic service manual display program includes the steps of

displaying, in a designated index page display area, an index page showing a list of names for, at the least, either said board or said circuit,

displaying, in a designated parts table page display area, a parts table page showing a list of said parts,

establishing in advance, for each of said names published on said index page, index page information, which is drawing identification information for a drawing, at the least either a board diagram for said board or a circuit diagram for said circuit, that corresponds to said name, and when one of said names displayed on said index page display area is selected, obtaining from said index page information said drawing identification information that is designated in correlation with said selected name,

searching for said drawing designated by said thus obtained drawing identification information, and displaying said drawing in a designated drawing display area,

5 establishing in advance, for each of said parts published on said parts table page, parts table page information that includes part identification information correlated with said part and drawing identification information, which is correlated with

10 said drawing, that shows said part as a graphics primitive, and when one of said parts displayed in said parts table page display area is selected, obtaining from said parts table page information said part identification information designated for said selected

15 part and said drawing identification information, then, reading a drawing that corresponds to said drawing identification information thus obtained, and enhancing said selected part displayed in said parts table page display area,

20 establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part identification information correlated with each of said parts, and based on said part identification information

25 included in said graphics primitive information for said

drawing that has been read, searching for a graphics

primitive for which is designated the same part

identification information as said part identification

information that has been designated for said part

5   selected on said parts table page, and

            displaying said drawing that has been read in

said drawing display area, and employing the search

results for said graphics primitive to enhance and

display said graphics primitive included in said drawing

10   that has been read and that corresponds to said part

selected on said parts table page.

23.   A program reception apparatus, for receiving an

electronic service manual display program that permits a

15   computer to provide a function for displaying, on a

display device, information that is related to parts and

that is used for a predetermined product constituted by

an electric circuit or an electronic circuit employing

said parts as components, and at the least either a

20   board diagram that represents not only a board used for

said predetermined product but also said parts mounted

on said board, or a circuit diagram that represents a

circuit provided on said board, comprising:

            means for initiating employment of a communication

25   protocol with a partner station across a communication

line or a network and receiving a digital signal

sequence; and

means for removing headers from said digital signal

sequence and converting said digital signal sequence

5   used for a communication line or a network into said

original electronic service manual display program,

wherein said electronic service manual display

program includes the steps of

displaying, in a designated index page display

10   area, an index page showing a list of names for, at the

least, either said board or said circuit,

displaying, in a designated parts table page

display area, a parts table page showing a list of said

parts,

15   establishing in advance, for each of said

names published on said index page, index page

information, which is drawing identification information

for a drawing, at the least either a board diagram for

said board or a circuit diagram for said circuit, that

20   corresponds to said name, and when one of said names

displayed on said index page display area is selected,

obtaining from said index page information said drawing

identification information that is designated in

correlation with said selected name,

25   searching for said drawing designated by said

thus obtained drawing identification information, and displaying said drawing in a designated drawing display area,

establishing in advance, for each graphics primitive that is a constituent of said drawing, graphics primitive information, which is part identification information correlated with each of said parts, and when one of said graphics primitives in said drawing displayed in said drawing display area is selected, obtaining drawing identification information that is designated for said drawing wherein said graphics primitive is designated, obtaining from said graphics primitive information said part identification information that is designated for said graphics primitive, and enhancing and displaying said graphics primitive that has been selected, and

establishing in advance, for each of said parts published on said parts table page, parts table page information that includes part identification information correlated with said part and drawing identification information correlated with said drawing that shows said part is a graphics primitive, searching said parts table page information to find part identification information that is designated for said graphics primitive selected in said drawing, and

employing the search results to enhance and display, in said parts table page display area, a part that corresponds to said selected graphics primitive.

5   24.   A program reception apparatus, for receiving an electronic service manual display program that permits a computer to provide a function for displaying, on a display device, information that is related to parts and that is used for a predetermined product constituted by

10   an electric circuit or an electronic circuit employing said parts as components, and at the least either a board diagram that represents not only a board used for said predetermined product but also said parts mounted on said board, or a circuit diagram that represents a

15   circuit provided on said board, comprising:

         means for initiating employment of a communication protocol with a partner station across a communication line or a network and receiving a digital signal sequence; and

20   means for removing headers from said digital signal sequence and converting said digital signal sequence used for a communication line or a network into said original electronic service manual display program,

         wherein said electronic service manual display

25   program includes the steps of

displaying an index page display area for displaying an index page on which a list of names for, at the least, either said board or said circuit is published,

5   displaying a parts table page display area for displaying a parts table page on which a list of said parts is published,

displaying a drawing display area to display a drawing, at the least, either a board diagram for said

10   board or a circuit diagram for said circuit,

displaying said index page in said index page display area,

displaying said parts table page in said parts table page display area,

15   establishing in advance, for each of said names published on said index page, index page information, which is drawing identification information for said drawing corresponding to said names, and when one of said names displayed in said index page display

20   area is selected, obtaining from said index page information said drawing identification information that is designated for said selected name,

when said thus obtained drawing identification information is information for a designation of said

25   board diagram or said circuit diagram, searching for and

displaying, in said drawing display area, said board

diagram or said circuit diagram that corresponds to said

drawing identification information,

when said drawing identification information

5   thus obtained is information for a designation of both

said board diagram and said circuit diagram, dividing

said drawing display area into first and second display

areas and searching for and displaying, in said first

and second display areas, said board diagram and said

10   circuit diagram that correspond to said drawing

identification information,

establishing in advance, for each graphics

primitive that is a constituent of said drawing,

graphics primitive information, which is part

15   identification information corresponding to each of said

parts, and when one of said graphics primitives in said

drawing displayed in said drawing display area is

selected, obtaining drawing identification information

designated for said drawing in which said graphics

20   primitive is selected, obtaining from said graphics

primitive information said part identification

information designated for said selected graphics

primitive, and enhancing and displaying said graphics

primitive that is selected,

25   establishing in advance, for each of said

parts published on said parts table page, parts table

page information that includes part identification

information corresponding to said part and drawing

identification information corresponding to said drawing

5   that shows said part as a graphics primitive, searching

for said parts table page information that includes the

same part identification information as designated for

said graphics primitive selected in said drawing,

obtaining said drawing identification information from

10   said parts table page information that has been found,

and enhancing and displaying, in said parts table page

display area, a part corresponding to said graphics

primitive that is selected, and

     when said drawing identification information

15   obtained from said parts table page information is

information for a designation of both said board diagram

and said circuit diagram, and when drawings are shown in

said first and said second display areas, obtaining

drawing identification information for a drawing

20   displayed in one display area that is not a location

whereat a drawing that includes said selected graphics

primitive is shown, and when said drawing identification

information for said drawing in said display area is

included in said drawing identification information

25   obtained from said parts table page information,

enhancing and displaying a graphics primitive in said

display area that corresponds to said graphics primitive

that has been selected, or when said drawing

identification information for said drawing in said

5   display area is not included in said drawing

identification information obtained from said parts

table page information, obtaining drawing information

identification, from said drawing identification

information acquired from said parts table page

10   information, that differs from said drawing

identification information provided for said drawing

shown in the remaining display area, reading and

displaying, in said display area, said drawing that

corresponds to said drawing identification information,

15   and enhancing and displaying a graphics primitive in

said display area that corresponds to said graphics

primitive that is selected.